

## ASDs improve motor performance and efficiency

An adjustable-speed drive (ASD) matches a motor's energy consumption with its load, often reducing energy use by as much as 50 percent. Qualify for additional rebates when you install ASDs to control motors with varying loads.

### Adjustable-speed drive rebates

|  |         |
|--|---------|
| Seasonal and HVAC centrifugal applications | \$40/hp |
| Nonseasonal centrifugal applications       | \$60/hp |

*System designer or installing contractor must ensure the entire facility complies with the IEEE Standard 519 after the ASD installation or retrofit. Failure to comply may result in disqualification of any rebate request.*

Visit [otpc.com/ASD](http://otpc.com/ASD) for more information.

## Take it to the bank

Learn about other rebates and ways to reduce your operating expenses.

Contact your Otter Tail Power Company representative or call our **Idea Center** at **800-493-3299**.



Rebates subject to change.

# Efficiency pays

## Receive rebates when you install new motors or adjustable-speed drives

Motors can account for up to 75 percent of total electricity costs in industrial plants and up to 50 percent in commercial buildings. **Replace standard-efficiency motors with motors that meet or exceed NEMA Premium® efficiency** and you can reduce energy use and operating costs.

Install adjustable-speed drives and you'll save even more.



## Motor efficiency requirements

New motors, motors replaced at failure, and inventoried motors must **exceed** NEMA Premium® efficiency to qualify for rebates. Motors replaced prior to failure only must **meet** NEMA Premium® efficiency to qualify.

### Minnesota totally enclosed fan-cooled motor rebates

| HP  | Percent rated efficiency<br>1200 RPM       |                                      | Percent rated efficiency<br>1800 RPM       |                                      | Percent rated efficiency<br>3600 RPM       |                                      | Rebate per motor |
|-----|--|--------------------------------------|--|--------------------------------------|--|--------------------------------------|------------------|
|     | New and replacement of nonoperating motors | Replacement of operating motors only | New and replacement of nonoperating motors | Replacement of operating motors only | New and replacement of nonoperating motors | Replacement of operating motors only |                  |
| 1   | 84.0                                       | 82.5                                 | 86.5                                       | 85.5                                 | 78.5                                       | 77.0                                 | \$40             |
| 10  | 91.7                                       | 91.0                                 | 92.4                                       | 91.7                                 | 91.0                                       | 90.2                                 | \$300            |
| 50  | 94.5                                       | 94.1                                 | 95.0                                       | 94.5                                 | 93.6                                       | 93.0                                 | \$1,000          |
| 100 | 95.4                                       | 95.0                                 | 95.8                                       | 95.4                                 | 94.5                                       | 94.1                                 | \$1,600          |
| 200 | 96.2                                       | 95.8                                 | 96.5                                       | 96.2                                 | 95.8                                       | 95.4                                 | \$2,800          |
| 300 | 95.8                                       | 95.8                                 | 96.2                                       | 96.2                                 | 95.8                                       | 95.8                                 | \$4,200          |
| 400 | 95.8                                       | 95.8                                 | 96.2                                       | 96.2                                 | 95.8                                       | 95.8                                 | \$5,000          |
| 500 | 95.8                                       | 95.8                                 | 96.2                                       | 96.2                                 | 95.8                                       | 95.8                                 | \$7,000          |

### Minnesota open drip-proof motor rebates

| HP  | Percent rated efficiency<br>1200 RPM       |                                      | Percent rated efficiency<br>1800 RPM       |                                      | Percent rated efficiency<br>3600 RPM       |                                      | Rebate per motor |
|-----|--|--------------------------------------|--|--------------------------------------|--|--------------------------------------|------------------|
|     | New and replacement of nonoperating motors | Replacement of operating motors only | New and replacement of nonoperating motors | Replacement of operating motors only | New and replacement of nonoperating motors | Replacement of operating motors only |                  |
| 1   | 84.0                                       | 82.5                                 | 86.5                                       | 85.5                                 | 78.5                                       | 77.0                                 | \$40             |
| 10  | 92.4                                       | 91.7                                 | 92.4                                       | 91.7                                 | 90.2                                       | 89.5                                 | \$300            |
| 50  | 94.5                                       | 94.1                                 | 95.0                                       | 94.5                                 | 93.6                                       | 93.0                                 | \$1,000          |
| 100 | 95.4                                       | 95.0                                 | 95.8                                       | 95.4                                 | 94.1                                       | 93.6                                 | \$1,600          |
| 200 | 95.8                                       | 95.4                                 | 96.2                                       | 95.8                                 | 95.4                                       | 95.0                                 | \$2,800          |
| 300 | 95.4                                       | 95.4                                 | 95.8                                       | 95.8                                 | 95.4                                       | 95.4                                 | \$4,200          |
| 400 | 95.8                                       | 95.8                                 | 95.8                                       | 95.8                                 | 95.8                                       | 95.8                                 | \$5,000          |
| 500 | 96.2                                       | 96.2                                 | 96.2                                       | 96.2                                 | 95.8                                       | 95.8                                 | \$7,000          |

Visit [otpc.com/Motors](http://otpc.com/Motors) for additional rebate levels on all motor sizes from 1 to 500 horsepower.